

Workshop on Observation Systems of Climate Change in the South Pacific

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Outcomes of panel 3: Observing impacts of climate change on communities

Participants: Raphael Billé ; John Campbell; Olivier Cohen; Adam Daigneault; Gilbert David; Victor David ; Georges De Noni; Matthew Dornan; Axel Ducourneau; Pascal Dumas; Michael Goldsmith; Helène Jacot Des Combes; Mathieu Le Duff; Anne Litay ; Vijay Naidu ; Magali Teurlai; Katharine Vadura.

Chair/facilitator: R. Billé, M. Goldsmith

Rapporteur: G. David, P. Dumas, K. Vadura

Question 1

- What types of data and tools are needed? What impact will be addressed by which data
- Several data and tools are needed to measure/monitor material and non material human securities

What do we need to observe?

Material human security

- Baselines ?
- Processes of change
- Indicators of change

- **Loss of settlement security**
 - ◆ Household relocation
 - ◆ Community relocation
 - ◆ Internal displacement?
 - ◆ Squatter settlements
- **Loss of livelihood security**
 - ◆ Food
 - ▶ Imports
 - ▶ Nutrition
 - ◆ Cash incomes
 - ◆ Poverty
- **Loss of habitat security**
 - ◆ Health
 - ◆ Disaster vulnerability/resilience

Non-material security?

- Baselines ?
- Processes of change
- Indicators of change

- Social change
 - Village structures
 - Kinship
 - Urbanisation
- Cultural change
 - Land – ontological security (after Giddens)
 - Language
- Psychological effects
- Affect and emotions

**This is really
important
... and really hard**

Consensus resolutions

1. Need to identify and establish better access to historical data including anthropological monograph, case studies
2. Links to existing quantitative data sources (censuses, economic data banks)
3. Identify key indicators (qualitative/quantitative)

Question 2

- How will data be used and model integration be achieved
- A series of consensus resolution was identified

Consensus resolutions

4. Devise a map of
 - a) Existing social sciences studies and sites,
 - b) Potential long term observation sites,
 - c) Links to natural science data in existing sites
5. Establish websites/platforms

Question 3

- What partnerships are needed to support and exploit these observation systems
- Identify potential framework or platform to encourage partnership and build capacity to monitor and analyse the human and social consequences of climate change in the Pacific region

Consensus resolutions

6. Establish links to other existing systems (eg Gops)
7. Coordinate social sciences focus on this topic and facilitate interaction with social scientists and natural scientists (newsletter, annual workshop)

The OCEANIA OBSERVATORY OF THE CONSEQUENCES OF CLIMATE CHANGE O2C3 PROJECT

